

GP1744



Attorney Docket No.: 463037-00220/A-68718-4RFT/RMS/RMK

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

BLACKBURN et al.

Serial No. 09/993,342

Filed: November 05, 2001

For: DEVICES AND METHODS FOR
BIOCHIP MULTIPLEXING

Examiner: Not Yet Assigned

Group Art Unit: 1744

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8.15.02
Christine P. Peters

Christine P. Peters

INFORMATION DISCLOSURE STATEMENT
AND STATEMENT OF RELATEDNESS

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicant wishes to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO-1449. Because of the voluminous number of references they are being forwarded to the PTO in 2 boxes. Box number 1 contains all the foreign patents and box number 2 contains all of US patents and other references. A copy of this IDS and the 1449 are enclosed in each box.

With respect to patent applications, the applicants point out their duty under M.P.E.P. §2001.06(b) to disclose relevant patent applications of which they are aware. To this end, the applicants draw the Examiner's attention to the following patent applications;

1. United States Serial Number 09/760,384, filed January 11, 2001 and U.S.S.N. 09/904,175, filed July 11, 2001.
2. U.S.S.N. 09/295,691, filed April 21, 1999.

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3. U.S.S.N. 09/397,957, filed September 17, 1999.

Further, in accordance with the provisions of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references 73, 93, 120, 132-134, and 141-142 listed on the enclosed form PTO-1449 were cited in an International Search Report dated October 05, 2001, for a counterpart PCT application. References 73, 93, 132, 134-135, 141-143 listed on the enclosed form PTO-1449 were cited in an International Search Report June 05, 2002, for a counterpart PCT application. Copies of both International Search Reports are enclosed herewith.

None of the foregoing references are believed to disclose the invention as claimed. Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

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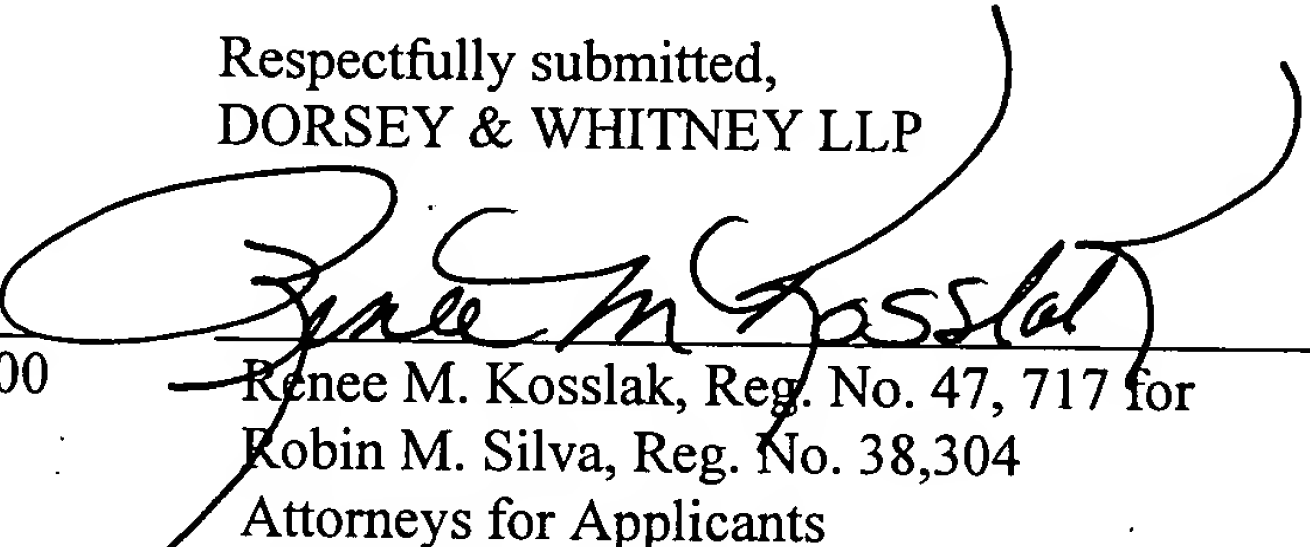
SERIAL NO: 09/993,342
DATE: November 05, 2001

This Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of a national stage, or before the mailing date of a first Office Action on the merits, 37 C.F.R. § 1.97(b), and therefore no fee is required. The Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2319

(Our Order No. 463037-00220 [A-68718-4/RFT/RMS/RMK]).

Respectfully submitted,
DORSEY & WHITNEY LLP

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Robin M. Silva, Reg. No. 38,304
Attorneys for Applicants
Filed under 37 C.F.R. § 1.34(a)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 15

Application Number 09/993,342
Filing Date November 05, 2001
First Named Inventor BLACKBURN, et al.
Group Art Unit 1744
Examiner Name Not Yet Assigned
Attorney Docket Number A-68718-4/RFT/RMS/RMK

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1	4,704,193		Bowers et al.	11/1987	
	2	4,707,352		Stavrianopoulos	11/1987	
	3	4,707,440		Stavrianopoulos	11/1987	
	4	4,711,955		Ward et al.	12/1987	
	5	4,755,458		Rabbani et al.	7/1988	
	6	4,787,963		MacConnell	11/1988	
	7	4,840,893		Hill et al.	6/1989	
	8	4,849,513		Smith et al.	7/1989	
	9	4,868,103		Stavrianopoulos et al.	9/1989	
	10	4,894,325		Englehardt et al.	1/1990	
	11	4,882,013		Turner et al.	11/1989	
	12	4,943,523		Stavrianopoulos	7/1990	
	13	4,945,045		Forrest et al.	07/1990	
	14	4,952,685		Stavrianopoulos	8/1990	
	15	4,964,972		Sagiv et al.	10/1990	
	16	4,994,373		Stavrianopoulos	2/1991	
	17	5,849,486		Heller et al.	12/1998	
	18	5,837,859		Teoule et al.	11/1998	

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		Office ³	Number ⁴	Kind Code ² (if known)				
	19	EP	0 234 938	A2	Cranfield Inst. of Tech.	2/1987		
	20	EP	0 229 943	B1	Molecular Biosystems Inc.	7/1987		
	21	EP	0 599 337	A2	Canon Kabushiki Kaisha	1/1994		
	22	EP	0 063 879	A2	Yale University	11/1982		
	23	EP	0 515 615		Boehringer Mannheim	9/1996		
	24	CA	2 090 904	A1	F. Hoffman-La Roche	9/1993		
	25	JP	238,166	A	Mitsubishi Corp.	1988	abstract	
	26	JP	6-41183	A2	Mitsubishi Corp.	1994		

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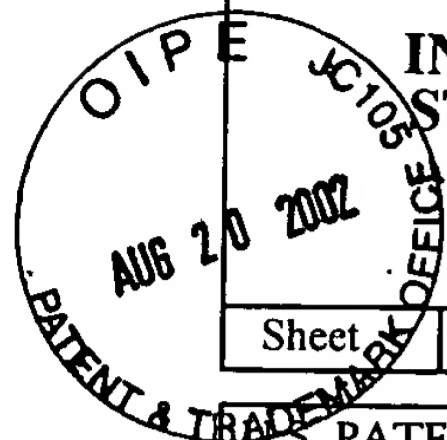
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Sheet 2

of 15

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First Named Inventor	BLACKBURN, et al.
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		Number	Kind Code ² (if known)			
	27	5,002,885		Stavrianopoulos	3/1991	
	28	5,013,831		Stavrianopoulos	5/1991	
	29	5,066,372		Weetall	11/1991	
	30	5,082,830		Brakel et al.	1/1992	
	31	5,089,112		Skotheim et al.	02/1992	
	32	5,156,810		Ribi	10/1992	
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	34	5,180,968		Bruckenstein et al.	01/1993	
	35	5,241,060		Englehardt et al.	8/1993	
	36	5,242,828		Bergstrom et al.	09/1993	
	37	5,278,043		Bannwarth et al.	1/1995	
	38	5,312,527		Mikkelsen et al.	5/1994	
	39	5,328,824		Ward et al.	7/1994	
	40	5,356,786		Heller et al.	10/1994	
	41	5,391,272		O'Daly et al.	02/1995	
	42	5,403,451		Riviello et al.	4/1995	
	43	5,436,161		Bergstrom et al.	07/1995	
	44	5,443,701		Willner et al.	08/1995	
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		Office ³	Number ⁴	Kind Code ² (if known)				
	47	WO	90/05732	A1	Columbia Univ.	5/1990		
	48	WO	92/10757	A1	Boehringer Mannheim	6/1992		
	49	WO	93/10267	A1	IGEN, Inc.	5/1993		
	50	WO	94/22889	A1	Cis Bio International	10/1994		
	51	WO	95/15971	A2	Calif. Inst. of Technology	6/1995		
	52	WO	96/40712	A1	Calif. Inst. of Technology	12/1996		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 15

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Application Number	09/993,342
Filing Date	November 05, 2001
First Named Inventor	BLACKBURN, et al.
Group Art Unit	1744
Examiner Name	Not Yet Assigned
Attorney Docket Number	A-68718-4/RFT/RMS/RMK

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		Number	Kind Code ² (if known)			
	53	5,705,346		Okamoto et al.	01/1998	
	54	5,705,348		Meade et al.	1/1998	
	55	5,741,700		Ershov et al.	4/1998	
	56	5,756,050		Ershov et al.	5/1998	
	57	5,770,369		Meade et al.	6/1998	
	58	5,770,721		Ershov et al.	6/1998	
	59	5,776,672		Hashimoto et al.	7/1998	
	60	5,700,667		Marble et al.	12/1997	
	61	5,780,234		Meade et al.	7/1998	
	62	5,601,982		Sargent et al.	2/1997	
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		Office ³	Number ⁴	Kind Code ² (if known)				
	66	WO	97/01646	A2	Univ. of N. Carolina	1/1997		
	67	WO	97/44651	A1	AU Membrane and	11/1997		
	68	WO	97/27329	A1	Univ. of Chicago	7/1997		
	69	WO	98/20162	A2	Clinical Micro Systems	5/1998		
	70	WO	98/27229	A1	Univ. of Chicago	6/1998		
	71	WO	98/28444	A2	Univ. of Chicago	7/1998		
	72	WO	98/35232	A2	Univ. of N. Carolina	8/1998		
	73	WO	98/57159	A1	Clinical Micro Systems	6/1997		
	74	WO	99/67425	A2	Clinical Micro Systems	12/1999		
	75	WO	99/14596	A1	AB Sangtec Medical	3/1999		
	76	EP	0668502	B1	Yissum Research Dev.	05/2002		
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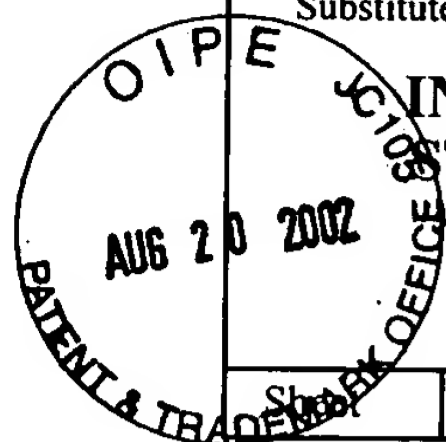
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First Named Inventor	BLACKBURN, et al.
Group Art Unit	1744
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		Number	Kind Code ² (if known)			
	77	5,824,473		Meade et al.	10/1998	
	78	5,851,772		Mirzabekov et al.	12/1998	
	79	5,952,172		Meade et al.	9/1999	
	80	5,976,802		Ansorge et al.	11/1999	
	81	6,090,933		Kayyem et al.	07/2000	
	82	6,153,737		Manoharan et al.	11/2000	
	83	6,180,352	B1	Meade et al.	01/2001	
	84	6,238,870	B1	Meade et al.	05/2001	
	85	6,200,761	B1	Meade et al.	03/2001	
	86	6,096,273		Kayyem et al.	08/2000	
	87	6,107,080		Lennox et al.	08/2000	
	88	5,795,453		Gilmartin	08/1998	
	89	6,060,023		Maracas	05/2000	
	90	6,060,327		Keen	05/2000	
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		Office ³	Number ⁴	Kind Code ² (if known)				
	93	WO	97/41425	A1	Pence Inc.	11/1997		
	94	WO	99/37819	A2	Clinical Micro Systems	07/1999		
	95	WO	86/05815	A1	Genetics International	03/1985		
	96	WO	93/22678	A3	MIT	11/1993		
	97	WO	97/31256	A3	Cornell Research	08/1997		
	98	WO	98/51823	A1	Mosaic Technology	11/1998		
	99	WO	99/57319	A1	Clinical Micro Systems	11/1999		
	100	WO	99/29711	A1	Nanogen Inc.	06/1999		
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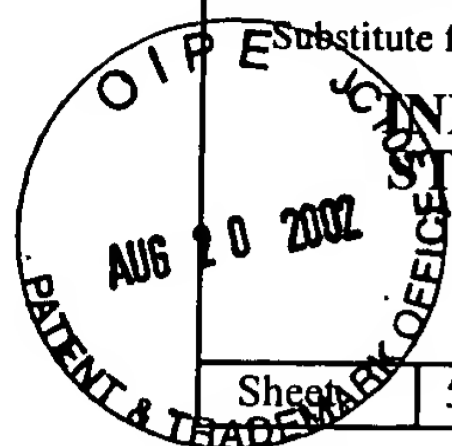
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	101	6,177,250	B1	Meade et al.	01/2001	
	102	6,096,825		Garnier	08/2000	
	103	6,197,515	B1	Bamdad et al.	03/2001	
	104	6,203,758	B1	Marks et al.	03/2001	
	105	6,207,369	B1	Wohlstadter et al.	03/2001	
	106	6,221,583	B1	Kayyem et al.	04/2001	
	107	6,232,062	B1	Kayyem et al.	05/2001	
	108	6,258,545	B1	Meade et al.	07/2001	
	109	6,268,149	B1	Meade et al.	07/2001	
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	112	6,300,141	B1	Segal	10/2001	
	113	6,306,584	B1	Bamdad et al.	10/2001	
	114	6,322,979	B1	Bamdad et al.	11/2001	
	115	20010034033	A1	Meade et al.	10/2001	
	116	20010046679	A1	Meade et al.	11/2001	

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	117	WO	90/05303	A1	Pharmacia AB	05/1990		
	118	WO	97/46568	A1	California Institute of	12/1997		
	119	WO	98/04740	A1	North Western University	02/1998		
	120	WO	98/12539	A1	Meso Scale Technologies	03/1998		
	121	WO	98/57158		Clinical Micro Sensors	12/1998		
	122	WO	99/57317		Clinical Micro Sensors	11/1999		

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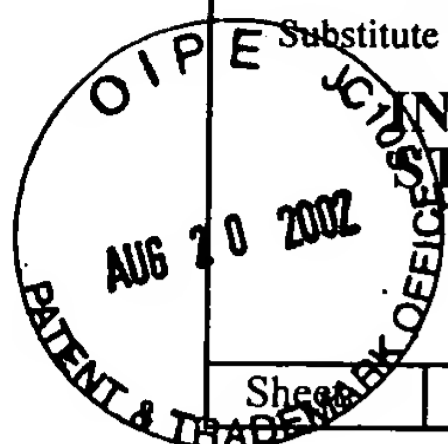
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Application Number	09/993,342
Filing Date	November 05, 2001
First Named Inventor	BLACKBURN, et al.
Group Art Unit	1744
Examiner Name	Not Yet Assigned
Attorney Docket Number	A-68718-4/RFT/RMS/RMK

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
	123	5,552,270		Khrapko et al.	9/1996	
	124	5,565,552		Magda et al.	10/1996	
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	141	WO	00/62931	A1	Clinical Micro Sensors	10/2000		
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Application Number

09/993,342

Filing Date

November 05, 2001

First Named Inventor

BLACKBURN, et al.

Group Art Unit

1744

Examiner Name

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Attorney Docket Number

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Application Number	09/993,342
Filing Date	November 05, 2001
First Named Inventor	BLACKBURN, et al.
Group Art Unit	1744
Examiner Name	Not Yet Assigned
Attorney Docket Number	A-68718-4/RFT/RMS/RMK

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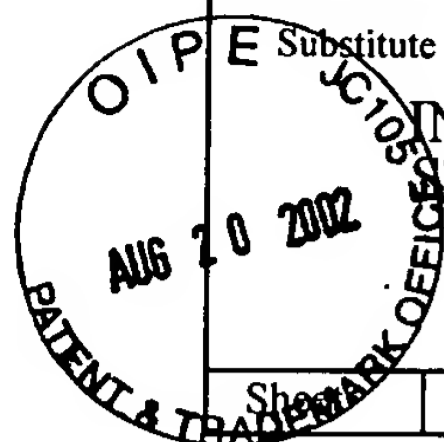
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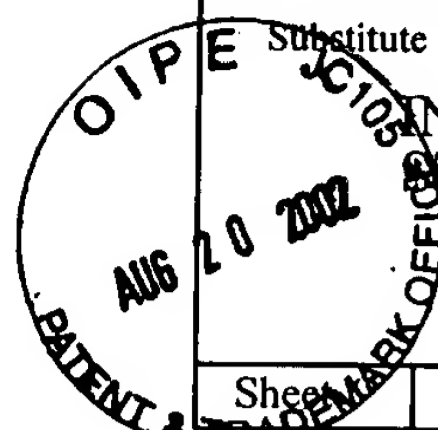
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Sheet 11

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Application Number	09/993,342
Filing Date	November 05, 2000
First Named Inventor	BLACKBURN, et al.
Group Art Unit	1744
Examiner Name	Not Yet Assigned
Attorney Docket Number	A-68718-4/RFT/RMS/RMK

Sheet	12	of	15
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		Filing Date	November 05, 2001
		First Named Inventor	BLACKBURN, et al.
		Group Art Unit	1744
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	A-68718-4/RFT/RMS/MLK
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Application Number 09/993,342

Filing Date November 05, 2001

First Named Inventor BLACKBURN, et al.

Group Art Unit 1744

Examiner Name Not Yet Assigned

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